



COMPACT SWITCH 30MM WIDE WITH M12 CONNECTOR SNAP-ACTION CONTACTS 1NO+1NC ROLLER PLUNGER,

Product designation	compact switch
General technical data:	
Product function	
• positive opening	Yes
Insulation voltage	
• Rated value	400 V
Degree of pollution	3
Shock resistance	
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	0.35 mm/5g
Surge voltage resistance Rated value	4 kV
Mechanical service life (switching cycles)	
• typical	10 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	100 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	500 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	1 800
Thermal current	10 A
Material of the enclosure of the switch head	metal
Protection class IP	IP67
Equipment marking	

<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 	B
Active principle	mechanical
Repeat accuracy	0.05 mm
Explosion protection category for dust	none
Explosion protection category for gas	none
Minimum actuating force in activation direction	20 N
Operating current at AC-15	
<ul style="list-style-type: none"> • at 230 V Rated value 	3 A
Operating current	
<ul style="list-style-type: none"> • at DC-13 at 125 V Rated value 	0.55 A

Enclosure:

Design of the housing	block
Material of the enclosure	metal
Coating of the enclosure	painted
Design of the housing acc. to standard	No

Drive Head:

Design of the operating mechanism	rounded plunger
Shape of the switch head	rounded
Design of the switching function	snap-action contact

Connections/ Terminals:

Type of electrical connection	M12 plug, fixed, 5-pole
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Mechanical data:

Design of plug-in connection	M12 connector, 5-pole: pin 1= terminal BK, pin 2= BK/WH, pin 3= BU, pin 4= BN, pin 5= GN/YE
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Communication/ Protocol:

Design of the interface	without
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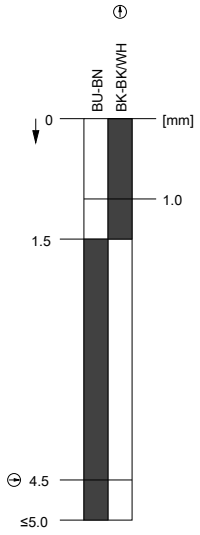
Ambient conditions:

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +85 °C
	-25 ... +85 °C

Installation/ mounting/ dimensions:

mounting position	any
Mounting type	screw fixing

Certificates/ approvals:



last modified:

05.05.2015